|  |
| --- |
| **Demonstration of Osmosis Through Living Membranes** |
| * This lab activity will be demonstrated by the instructor since it requires the use of blood. |
| * A sample of blood will be obtained from the instructor by using an autolancet to prick the finger.  Once blood is drawn, a drop of blood will be placed on three different glass slides. |
| * Next, one drop of distilled water will be added to one of the slides.  One drop of 0.9% NaCl will be added to the second slide and lastly, one drop of 2% NaCl will be added to the third slide. |
| * A glass cover slip will be placed on each of the slides and then each one will be observed at 400 X - 1000x magnification. |
| **Pre-Lab Questions:**  1. [What do you expect to see](http://www.usi.edu/science/biology/mkhopper/hopper/BIOL2401/LABUNIT1/01Ex5CellTransp/RBCOsmosis.htm)?  2. Which of the above solutions is *hypotonic? Hypertonic*?  *Isotonic*?  3. What is the driving force causing water to move across the cell membrane?  4. In the human body, what ensures that excessive water is not lost or gained by cells? |
|  |